



SEQUENCE LISTING

<110> Brennan, Thomas J.
Leviten, Michael W.

<120> TRANSGENIC MICE CONTAINING CERBERUS GENE
DISRUPTIONS

<130> R-67

<140> US 09/887,552

<141> 2001-06-21

<150> US 60/213,670

<151> 2000-06-21

<150> US 60/266,046

<151> 2001-02-01

<150> US 60/282,668

<151> 2001-04-09

<160> 4

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 1752

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 1235, 1313

<223> n = A,T,C or G

<400> 1

```
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tctggggaag gcagacctat gtgtggatgg ctgccagagt cagggctctt tatcctttcc 180
tctcctagaa aggggtcgca gagatctcca cgtggccaac cacgaggagg cagaagacaa 240
gccggatctg tttgtggccg tgccacacct catgggcacc agcctggctg gggaaggcca 300
gaggcagaga gggaagatgc tgtccaggct tggaagattc tggaagaaac ctgagaccga 360
attttaccac ccaagggatg tggaaagcga tcatgtctca tcgggggatgc aggccgtgac 420
tcagccagca gatgggagga aagtggagag atcacctcta caggaggaaag ccaagagggt 480
ctggcatcgg ttcattgttca gaaagggccc ggcgttccag ggagtcattc tgcccatcaa 540
aagccacgaa gtacactggg agacctgcag gactgtgccc ttcaaccaga ccattgcccc 600
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attcaccacc gtgcacttga tgcctgaactg caccagccca acccccgtgg tcaagatgg 780
gatgcaagta gaagagtgtc agtgcattgg gaagacggaa cgtggagagg agcgcctcct 840
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aattacctca acagaaagca aaacctcaac agaataagtg aggggttattc aatctggaaa 960
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cacacacaca cacacacaca cacacacaca catgtttgtg tttagacagg gtcttatgta 1140
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tcctgagtgc tgggattaca gacatgctcc ataanacata gctcccagaa ggatttttaa 1260
aagagatttt gcattgttca aagttgcctt tgagactcag aaatatattg atntattgaa 1320
tggccttgcc acagatgtgg gaggcagctt gcttggtggc ccaagtattt tttttttgtt 1380
```

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cgttcagaat tctccacatg aagtttttac tgttggttat ctggcgttga agaaggaata 1440
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tcccgggaata tgaggaaaat acatgaacag tattagagtc acttgaggaa gttactagga 1560
aacgccataa gtctccaagt acattgtgag tcattttgaa ggacaatcgt gtatatagac 1620
gaaatcttct actcgtatgc ttttgaatct tctagcaagt taggtttcta tgtttgggct 1680
tcttcctatt gtctaagagt atgtgtgaca aattcaacct gacaaaatacc tcaatggcaa 1740
attctgaccc tg 1752

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<210> 2

<211> 272

<212> PRT

<213> Mus musculus

<400> 2

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Met His Leu Leu Leu Val Gln Leu Leu Val Leu Leu Pro Leu Gly Lys
 1          5          10          15
Ala Asp Leu Cys Val Asp Gly Cys Gln Ser Gln Gly Ser Leu Ser Phe
 20          25          30
Pro Leu Leu Glu Arg Gly Arg Arg Asp Leu His Val Ala Asn His Glu
 35          40          45
Glu Ala Glu Asp Lys Pro Asp Leu Phe Val Ala Val Pro His Leu Met
 50          55          60
Gly Thr Ser Leu Ala Gly Glu Gly Gln Arg Gln Arg Gly Lys Met Leu
 65          70          75          80
Ser Arg Leu Gly Arg Phe Trp Lys Lys Pro Glu Thr Glu Phe Tyr Pro
 85          90          95
Pro Arg Asp Val Glu Ser Asp His Val Ser Ser Gly Met Gln Ala Val
100          105          110
Thr Gln Pro Ala Asp Gly Arg Lys Val Glu Arg Ser Pro Leu Gln Glu
115          120          125
Glu Ala Lys Arg Phe Trp His Arg Phe Met Phe Arg Lys Gly Ala Pro
130          135          140
Phe Gln Gly Val Ile Leu Pro Ile Lys Ser His Glu Val His Trp Glu
145          150          155          160
Thr Cys Arg Thr Val Pro Phe Asn Gln Thr Ile Ala His Glu Asp Cys
165          170          175
Gln Lys Val Val Val Gln Asn Asn Leu Cys Phe Gly Lys Cys Ser Ser
180          185          190
Ile Arg Phe Pro Gly Glu Gly Ala Asp Ala His Ser Phe Cys Ser His
195          200          205
Cys Ser Pro Thr Lys Phe Thr Thr Val His Leu Met Leu Asn Cys Thr
210          215          220
Ser Pro Thr Pro Val Val Lys Met Val Met Gln Val Glu Glu Cys Gln
225          230          235          240
Cys Met Val Lys Thr Glu Arg Gly Glu Glu Arg Leu Leu Leu Ala Gly
245          250          255
Ser Gln Gly Ser Phe Ile Pro Gly Leu Pro Ala Ser Lys Thr Asn Pro
260          265          270

```

<210> 3

<211> 200

<212> DNA

<213> Artificial Sequence

<220>

<223> Targeting vector

<400> 3

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cagctgcttg ttctcttgcc tctggggaag gcagacctat gtgtggatgg ctgccagagt 120

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```

cagggctctt tatcctttcc tctcccagaa aggggtcgca gagatctcca cgtggccaac 180
cacgaggagg cagaagacaa                                     200

```

```

<210> 4
<211> 200
<212> DNA
<213> Artificial Sequence

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<220>
<223> Targeting vector

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<400> 4
cctgcccata aaaagccaag aagtacactg ggagacctgc aggactgtgc ctttcaacca 60
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aggacaaacg gcaaaataga aagagtctgg cgagagctcg ggccttgtct agttccagat 180
tcagtccttt gggatttcat                                     200

```